

L0938010003 Kendall County
Remline Manufacturing
ILD 003112420
SF/HRS

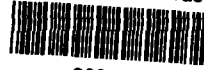
High Yield
4/20/90
SEO301-A0101

ILD 005112420

State Lead

6340

EPA Region 5 Records Ctr.



393412

CERCLA

Preliminary Assessment Report



Illinois Environmental
Protection Agency
P.O. Box 19276,
Springfield, IL 62794-9276

Confidential Material May be Enclosed

Executive Summary

Remline (Model) Industries is presently located at the intersection of Route 47 and Cannonball Trail in the NW 1/4 of Section 21, T.37N., R.7E., in Kendall County. Government records indicate that the facility has been in operation since 1974, before that it is believed that the property was farmland. The company has had numerous owners with the present being Lyon Metal Company of Aurora, Illinois who purchased the site from Advertising Metal in 1987. As a result in the change of ownership, the Model Industries facility became Remline Manufacturing in 1987. The company owns nearly 90 acres of land with the facility itself occupying 100,000 square feet and employing about 100 people. Remline is currently classified as a RCRA (Resource Conservation and Recovery Act) generator facility, which manufactures tool boxes for retail sales in various stores. The facility was added to CERCLIS (Comprehensive Environmental Response, Compensation and Liability Information System) in May of 1990, as a result of a request for discovery action initiated by the Illinois Environmental Protection Agency after the City of Yorkville proposed to construct a new public well within one-half mile of the site.

Concern of possible contamination of the site surfaced when the facility was the subject of limited clean-up of trench disposed paint and solvent waste in 1981. Fifty drums were known to be buried in a liquid pit near the facility. A 15 foot hole was dug (to a depth of 6 to 8 feet) upon the initial discovery of the drums. Two full drums were removed, with one containing red paint, and the other red sludge. Both drums were dented and leaking their contents. A third drum was removed and appeared to be crushed and empty. A sample of the liquid in the pit was taken for organic and metal analysis. Results of the tests revealed organic solvents found in paints and thinners. A clean-up plan was then presented, subsequently approved by the Agency. All known drums were removed from the site by a contractor and licensed special waste hauler. Table 1 summarizes the analytical results of the drum samples:

Table 1

Top Layer

Toluene	17,000 ug/g (ppm)
Xylenes	13,000 ug/g (ppm)
Aliphatic hydrocarbons	11,000 ug/g (ppm)

Bottom Layer (aqueous)

Butanol	9,600 ug/l (ppb)
Toluene	9,900 ug/l (ppb)
Xylenes	1,800 ug/l (ppb)
Aliphatic hydrocarbons	990 ug/l (ppb)
2-Butoxyethanol	7,600 ug/l (ppb)

In 1984 an IEPA inspection was made at Model Industries when an anonymous complaint indicated that employees on the night shift were pouring solvents down the floor drains which lead to the sanitary sewer. A sample was then taken from the septic tank and showed trichloroethylene content to be 740,000 ppb. Two seepage beds are present which contain discharge from septic tank overflow. The seepage beds lay about 30 inches below ground level and have a total area of 7,200 square feet. Table 2 shows the results of the septic tank sample.

Table 2

Methylene Chloride	2,900 ug/l (ppb)
1,1-Dichloroethane	25 ug/l (ppb)
1,2-Dichloroethylene	2,000 ug/l (ppb)
Chloroform	25 ug/l (ppb)
1,1,1-Trichloroethane	3,200 ug/l (ppb)
Bromodichloroethane	34 ug/l (ppb)
Trichloroethylene	740,000 ug/l (ppb)
Tetrachloroethylene	430 ug/l (ppb)
Toluene	1,200 ug/l (ppb)
Ethylbenzene	80 ug/l (ppb)
Xylenes	250 ug/l (ppb)
Aliphatic Hydrocarbons	1,700 ug/l (ppb)

A preremedial site reconnaissance was conducted at 9:15 a.m. on June 25, 1990 by Gregcry A. Spencer and Robert Casper of the IEPA. Conditions at the time of the visit included partly sunny skies and temperature between 80° and 85°. The first area observed was the front entrance area of the building, where a small retention pond is located. The next areas visited were the North and West sides of the building which are used primarily for loading docks (North) and rear entrances/exits to the building (West). Located in the Southwest corner of the parking lot area was a small concrete pad with 6 drums which apparently contained solvents. The area was partially fenced, but easily accessible due to the poor condition of the fence. The South side of the building is used primary for employee parking. The seepage bed area is reported to be in the field west of the lot, and could not be located by casual observance. The previous drum storage site, along with any uncommon odors, were not observed. Area topography is primarily used for agricultural purposes with the exception of the South side of the complex, which is 800' to 1000' feet from Blackberry Creek subdivision.

The geology of the area consists of glacial drift material from the surface to 10 feet in depth. Sands, gravels, and shales are found to approximately 80 feet, followed by limestone to a depth of 410 feet. Various sandstone units are present to about 735 feet, followed by more shale and limestone to 1333 feet deep.

Groundwater wells within a four-mile radius of Remline include approximately 1279 private wells, which serve about 3940 people and 3 municipal wells serving around 4500 people. Two of Yorkvilles three wells obtain their water from a Cambrian-Ordovician aquifer, while the other is a drift well which is no longer in use. Together the wells serve approximately 8440 people. The nearest public well is about 2 miles from the site, and the closest private well is in Blackberry Creek Subdivision which is 500 feet south of Remline. Due to the proximity of Blackberry Creek and the Fox River to this site, a potential for surface water contamination is a strong possibility. Both bodies of water are used for recreational purposes and contain aquatic life. Nearby shallow wells especially promote concern, therefore, a high priority is recommended for this site.

GS:bjh/2290n/65,67



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
IL 003 112 420

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site) Remline Manufacturing (Model Industries)		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER Rt 47 + Cannonball Trail	
03 CITY Yorkville	04 STATE IL	05 ZIP CODE 60560	06 COUNTY Kendall
09 COORDINATES LATITUDE 41 40 30.0		07 COUNTY CODE 093	
LONGITUDE 88 26 42.0		08 CONG DIST 14	
10 DIRECTIONS TO SITE (Starting from nearest public road) Location is at intersection of Rt 47 + Cannonball trail. (NW of intersection)			

III. RESPONSIBLE PARTIES

01 OWNER (if known) Lyon Metal Co.		02 STREET (Business, mailing, residential) Main + Montgomery	
03 CITY Aurora	04 STATE IL	05 ZIP CODE 60538	06 TELEPHONE NUMBER '708' 892-8944
07 OPERATOR (if known and different from owner) Same		08 STREET (Business, mailing, residential) Same	
09 CITY Same	10 STATE "	11 ZIP CODE "	12 TELEPHONE NUMBER () () ()
13 TYPE OF OWNERSHIP (Check one) <input checked="" type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL: _____ (Agency name) <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER: _____ (Specify) <input type="checkbox"/> G. UNKNOWN			

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)
☐ A. RCRA 3001 DATE RECEIVED: 4/30/84 MONTH DAY YEAR ☐ B. UNCONTROLLED WASTE SITE (RCRA 103) DATE RECEIVED: _____ MONTH DAY YEAR ☐ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION <input checked="" type="checkbox"/> YES DATE 1-18/ MONTH DAY YEAR <input type="checkbox"/> NO 6/25/90		BY (Check all that apply) <input checked="" type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA CONTRACTOR <input type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR <input checked="" type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input type="checkbox"/> F. OTHER: _____ (Specify) CONTRACTOR NAME(S): _____	
02 SITE STATUS (Check one) <input checked="" type="checkbox"/> A. ACTIVE <input type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN		03 YEARS OF OPERATION 74 Present <input type="checkbox"/> UNKNOWN BEGINNING YEAR ENDING YEAR	

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

Trichloroethylenes + xylenes (solvents, degreasers, thinners, etc.)

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

Surface water (population + environment)
Groundwater (population + environment)

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)
☒ A. HIGH (inspection required promptly) ☐ B. MEDIUM (inspection required) ☐ C. LOW (inspect on time available basis) ☐ D. NONE (no further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT Buddy Wisse (Maintenance)	02 OF (Agency/Organization) Remline Manufacturing	03 TELEPHONE NUMBER '708' 553-6601
04 PERSON RESPONSIBLE FOR ASSESSMENT Gregory A. Spencer	05 AGENCY IEPA	06 ORGANIZATION DLPC/RPHS 24
	07 TELEPHONE NUMBER (217) 785-7402	08 DATE 6/4/90 MONTH DAY YEAR



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
IL 003112420

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

A SOLID
B POWDER FINES
C SLUDGE
D OTHER
E SLURRY
F LIQUID
G GAS
(Specify)

02 WASTE QUANTITY AT SITE

(Measures of waste quantities
must be independent)

TONS ?
CUBIC YARDS ?
NO OF DRUMS

03 WASTE CHARACTERISTICS (Check all that apply)

A TOXIC
B CORROSIVE
C RADIOACTIVE
D PERSISTENT
E SOLUBLE
F INFECTIOUS
G FLAMMABLE
H IGNITABLE
I HIGHLY VOLATILE
J EXPLOSIVE
K REACTIVE
L INCOMPATIBLE
M NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE	unknown		Solvents found in paints + Thinners
OLW	ONLY WASTE	unknown		
SOL	SOLVENTS	unknown		
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACC	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/ DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
00C	Trichloroethylene	79-01-6	Septic Tank	740,000	ug/L ppb
00C	Methylene Chloride	75-09-2	"	2,900	"
00C	Dichloromethane	107-06-2	"	25	"
00C	Dichloroethylene	540-59-0	"	2000	"
00C	Trichloroethane	79-00-5	"	3200	"
00C	Bromodichloroethane	75-27-4	"	34	"
00C	Tetrachloroethylene	127-18-4	"	430	"
00C	Toluene	108-88-3	"	1200	"
00C	Ethylbenzene	100-41-4	"	80	"
00C	Xylenes	1330-02-7	USTs	250	"

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references e.g., state files, sample analysis reports)

Handbook of Environmental Data on Organic Chemicals
Division Files
RTECS Users Guide



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
IL 003112420

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A GROUNDWATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED ≈3690

02 ☐ OBSERVED (DATE _____)

04 NARRATIVE DESCRIPTION

☒ POTENTIAL

☐ ALLEGED

Potential for Groundwater contamination exists due to the presence of 4 UST's previously containing xylene. Current contents and quantities are unknown.

01 ☒ B SURFACE WATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED unknown

02 ☐ OBSERVED (DATE _____)

04 NARRATIVE DESCRIPTION

☒ POTENTIAL

☐ ALLEGED

Surface water contamination is a potential due to easy access to drums on concrete pad at site. Kids playing or vandalism to tanks could create a spill which could affect nearby shallow wells.

01 ☐ C CONTAMINATION OF AIR

03 POPULATION POTENTIALLY AFFECTED ≈8500

02 ☐ OBSERVED (DATE _____)

04 NARRATIVE DESCRIPTION

☒ POTENTIAL

☐ ALLEGED

Contaminants could mobilize into air upon leakage of spilling of drums.

01 ☒ D FIRE EXPLOSIVE CONDITIONS

03 POPULATION POTENTIALLY AFFECTED ≈8500

02 ☐ OBSERVED (DATE _____)

04 NARRATIVE DESCRIPTION

☒ POTENTIAL

☐ ALLEGED

Fire/Explosive conditions exist due to flammability of substance and easy access.

01 ☐ E DIRECT CONTACT

03 POPULATION POTENTIALLY AFFECTED _____

02 ☐ OBSERVED (DATE _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

None Documented or observed.

01 ☐ F CONTAMINATION OF SOIL

03 AREA POTENTIALLY AFFECTED _____
(Acres)

02 ☐ OBSERVED (DATE _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

None Documented or observed.

01 ☒ G DRINKING WATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED 3690

02 ☐ OBSERVED (DATE _____)

04 NARRATIVE DESCRIPTION

☒ POTENTIAL

☐ ALLEGED

Same as A. above

01 ☐ H WORKER EXPOSURE/INJURY

03 WORKERS POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

None documented or observed

01 ☐ I POPULATION EXPOSURE/INJURY

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

None documented or observed



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION
01 STATE IL 02 SITE NUMBER 003 112 420

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

None Documented or Observed

01 ☐ K. DAMAGE TO FAUNA
04 NARRATIVE DESCRIPTION (include names of species)

02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

None Documented or Observed

01 ☐ L. CONTAMINATION OF FOOD CHAIN
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

None Documented or Observed

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES
(Include number of leaking drums)

02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: ± 8500 04 NARRATIVE DESCRIPTION

Drums could be damaged to to easy access and contaminate nearby shallow wells and also Blackberry Creek + The Fox River.

01 ☐ N. DAMAGE TO OFFSITE PROPERTY
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

None documented or observed

01 ☒ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs
04 NARRATIVE DESCRIPTION

02 ☒ OBSERVED (DATE: April 30, 1984) ☐ POTENTIAL ☐ ALLEGED

Trichloroethylenes found in septic tanks.
(740,000 ppb)

01 ☒ P. ILLEGAL/UNAUTHORIZED DUMPING
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: 1977 + 1984) ☐ POTENTIAL ☐ ALLEGED

(1981) In 1970s company buried drums on site in liquid pit.

(1984) Night shift employees were reported by pouring solvents down drains

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: 8500 ± 9000

IV. COMMENTS

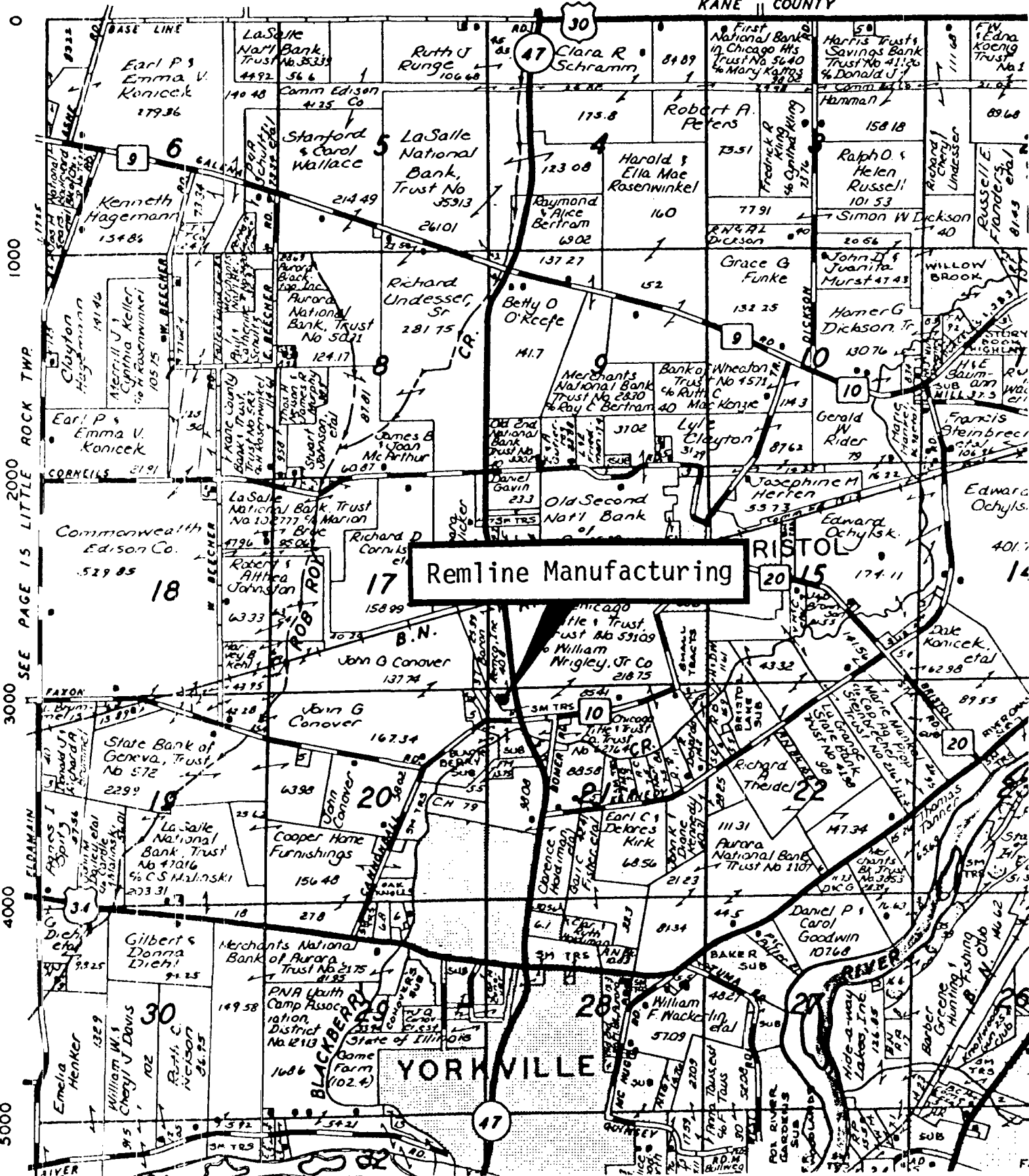
V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Illinois EPA Land Division Files
Reconnaissance visit 6/25/90
Kendall Co. Health Dept.

Illinois Public Water Supply Files
Topo Maps
Fire Marshall's Office

T.

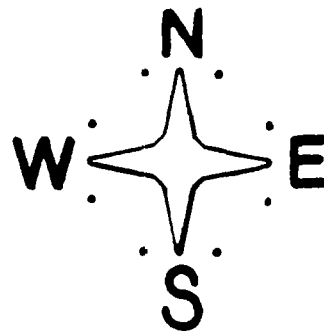
3000 4000 3000 2000 1000
! ! ! ! !
FIDAMIN A M SEE PAGE 15 LITTLE ROCK TWP



Remline Manufacturing,
Yorkville Illinois.



SITE LOCATION



Site Map
(Not to scale)
approximate size = 8 acres

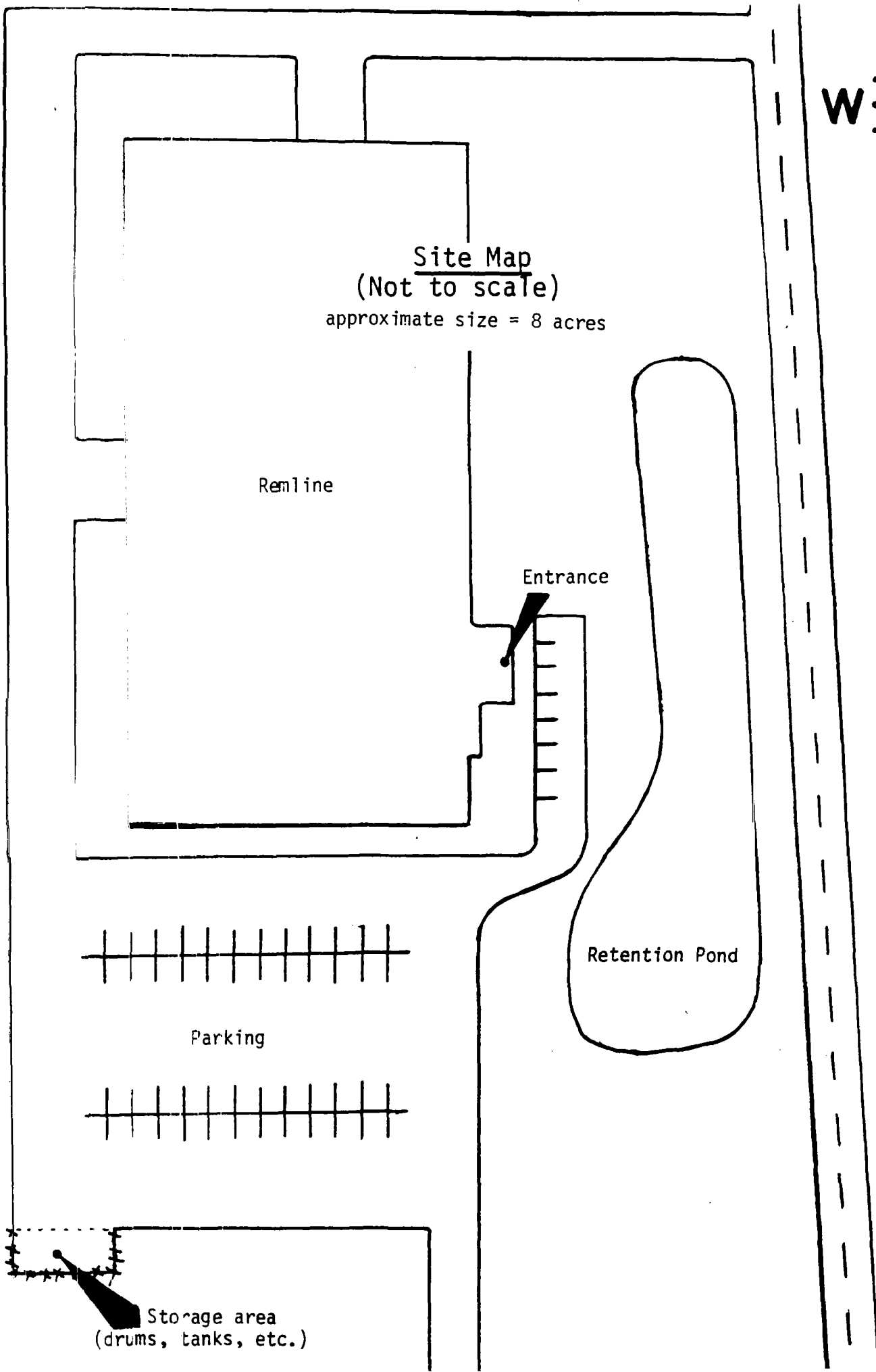
Remline

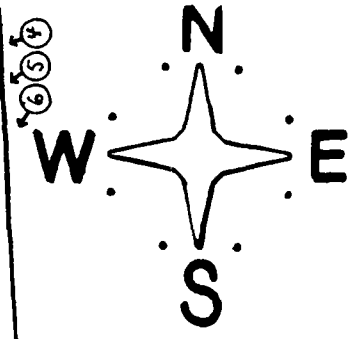
Entrance

Retention Pond

Parking

Storage area
(drums, tanks, etc.)





Photograph Location Map
(Not to scale)

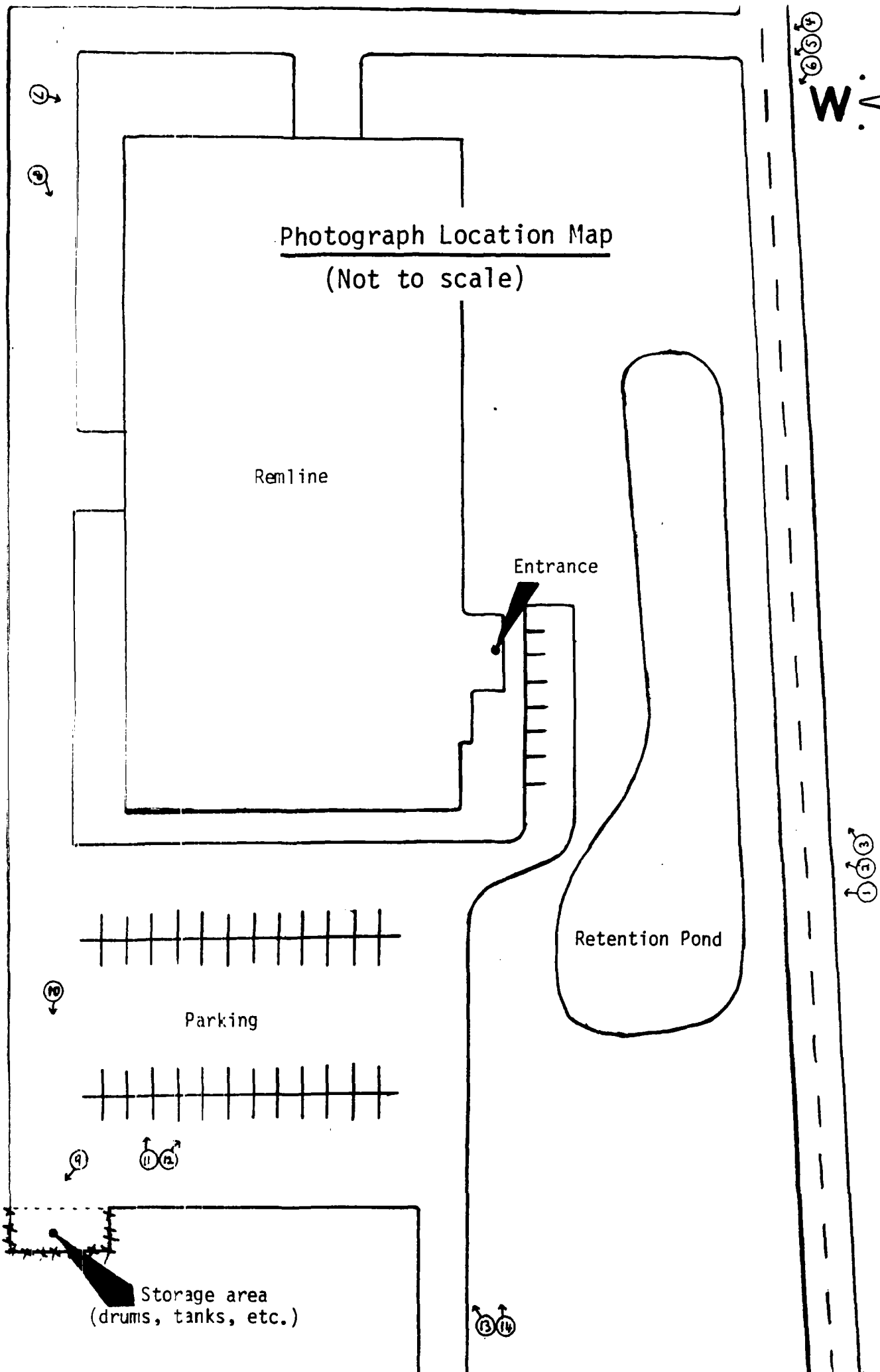
Remline

Entrance

Retention Pond

Parking

Storage area
(drums, tanks, etc.)



DATE: June 25, 1990

TIME: 9:20 a.m.

Photograph by:

Greg Spencer

Location: L0938010003

Kendall Co. Remline

Manufacturing I1D003112420

Comments: Picture taken toward

East side of building

Front, entrance area

(Looking toward SW)

DATE: June 25, 1990

TIME: 9:20 a.m.

Photograph by:

Greg Spencer

Location: Same as previous

discription for pictures

5 + 6.

Comments: Picture taken toward



DATE: June 25, 1990

TIME: 9:15 am

Photograph by:

Greg Spencer

Location: L0938010003

Kendall Co. Remline

Manufacturing ILD003112420

Comments: Picture taken toward

East side of building

Front, entrance area.

(Looking toward NW)

DATE: June 25, 1990

TIME: 9:15 a.m

Photograph by:

Greg Spencer

Location: Same as previous

discription for pictures

2 + 3.

Comments: Picture taken toward



DATE: June 25, 1990

TIME: 9:30 a.m.

Photograph by:

Greg Spencer

Location: LD938010003

Kendall Co. Remline

Manufacturing ILD003112420

Comments: Picture taken toward
SW corner of parking lot
(Looking toward SW)



DATE: June 25, 1990

TIME: 9:30 a.m.

Photograph by:

Greg Spencer

Location: LD938010003

Kendall Co. Remline

Manufacturing ILD003112420

Comments: Picture taken toward
SW corner of parking lot
(Looking toward South)



DATE: June 25, 1990

TIME: 9:25 a.m.

Photograph by:

Greg Spencer

Location: L0938010003

Kendall Co. Remline

Manufacturing ILD003112420

Comments: Picture taken toward

North side of building.

Loading area.

(Looking toward East)



DATE: June 25, 1990

TIME: 9:25 a.m.

Photograph by:

Greg Spencer

Location: L0938010003

Kendall Co. Remline

Manufacturing ILD003112420

Comments: Picture taken toward

West side of building

Entrances, Exits, + Loading
area.

(Looking toward South)



DATE: June 25, 1990

TIME: 9:35 a.m.

Photograph by:

Greg Spencer

Location: L0938010003

Kendall Co. Remline

Manufacturing ILD 003112420

Comments: Picture taken toward

South side of building.

(Looking toward North)

DATE: June 25, 1990

TIME: 9:35 a.m.

Photograph by:

Greg Spencer

Location: L0938010003

Kendall Co. Remline

Manufacturing ILD 003112420

Comments: Picture taken toward

South side of building

(Looking toward North)



DATE: June 25, 1990

TIME: 9:40 a.m.

Photograph by:

Greg Spencer

Location: L0938010003

Rendall Co. Remline

Manufacturing ILD 003112420

Comments: Picture taken toward

Parking Lot + side exit
(Looking North)

DATE: June 25, 1990

TIME: 9:40 a.m.

Photograph by:

Greg Spencer

Location: L093 801 0003

Rendall Co. Remline

Manufacturing ILD 003112420

Comments: Picture taken toward

Parking Lot + side exit
(Looking North)



SDMS US EPA Region V

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☐

Other:

Supporting Documentation

References

1. July 23, 1981 special analysis form was received indicating results of tests from liquid in pit where drums were buried.
2. April 30, 1984 an inspection of Model Industries was made due to a complaint that employees were spilling solvents down floor drains.
3. May 2, 1984 results of samples taken from the septic tanks revealed a variety of different chemicals and compounds.
4. May 26, 1988 a Material Safety Data Sheet was submitted to Remline displaying exposure limits for a number of different hazardous ingredients.
5. Well logs of the area.
6. Illinois State Atlas.

REFERENCE NUMBER 0121

0021570

Time Collected: 10:00 AM

Lab #

Date Collected: 7-21-81

SPECIAL ANALYSIS FORM

Date Received JUL 23 1981

X201

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:

KENDALL

FILE HEADING:

Yorkville/Ind.

FILE NUMBER:

C81-291N

SOURCE OF SAMPLE: (Exact Location)

liquid from pit where drums
are buried

PHYSICAL OBSERVATIONS, REMARKS:

WATER w/ PAINTS, Thinners, oils
Laquer Thinners, Trichloroethylene

TESTS REQUESTED: Trichloroethylene

Organic solvents found in paints and thinners

COLLECTED BY: Brad Benning

TRANSPORTED BY: Brad Benning

LABORATORY

RECEIVED BY: CMC

DATE
COMPLETED: 10/5/81

DATE
FORWARDED: 10/16/81

This sample contains two layers.

J. Hurley

Top layer

Toluene = 17,000. ug/g (ppm)

Xylenes = 13,000. ug/g (ppm)

Aliphatic hydrocarbons = 11,000. ug/g

Bottom layer (aqueous)

Butanol = 9600 ug/l (ppb)

Toluene = 9900. ug/l

Xylenes = 1800. ug/l

Aliphatic hydrocarbons = 990. ug/l

2-Butoxyethanol = 7600. ug/l

RECEIVED

OCT 20 1981

— D.L.P.C.
STATE OF ILLINOIS

H.W.

0021570

REFERENCE NUMBER 02

Reg. 2

RECEIVED
Field Operations Section

OCT 3 1984

Environmental Protection Agency
State of Illinois INSPECTION NOTES

CC ✓ DWPC/FOS/RU
- DWPC/CAS
- DLPC/Maywood
- Enf.-Mary Drake
- DAPC -

MODEL INDUSTRIES
(Kendall County)

Septic Tank
Seepage Field

INSPECTION DATE:

April 30, 1984

INTERVIEWED:

Mike Sullivan, Plant Manager
Bill Eiberhardt, Ass't Manager
Buddy Wiess, Maintenance

INSPECTED BY:

Chris Kallis, E.P.S.

ACCOMPANIED BY:

Phyllis J. Holbrook
Kendall County Health Dep't

As a result of an anonymous complaint an inspection was made at Model Industries in Yorkville. Employees on the night shift were reportedly spilling solvents down the floor drains. The floor drains lead to the sanitary sewer. The sewerage is pumped from a lift station into two septic tanks with a total capacity of 12,566 gallons. Effluent from the septic tank overflow is discharged into two seepage beds with a total area of 7,200 square feet. The design flow of the system is 600 gpd and was permitted by the Agency on July 11, 1973.

A sample was taken from the septic tank and showed the trichloroethylene content to be 740,000 ppb. With the specific gravity of trichloroethylene at 1.455, it was computed that at least 6.4 gallons of the solvent was in the septic tank at the time of sampling -

$$(12,566 \text{ gals}) (8.34) = 104,800 \text{ lbs}$$

$$(1.045 \text{ lbs}) (10^5 \text{ lbs}) \left(\frac{740 \text{ lbs}}{10^6} \right) = 77.6 \text{ lbs}$$

$$\frac{77.6 \text{ lbs}}{(8.34) (1.455)} = 6.4 \text{ gallons } \checkmark \text{ce}$$

The plant manager stated that he had no record of who and when the septic tank was last pumped. The seepage bed itself lays about thirty inches below ground level. It should be noted that a housing subdivision and Blackberry Creek is a quarter of a mile south of Model Industries.

CK/bh

Chris Kallis
Chris Kallis, E.P.S.

READY TO BE
BY: J. J. Jh
DATE: 4-30-84

Illinois Environmental Protection Agency

SPECIAL ORGANIC ANALYSIS FORM

0033301

MAY 2 1984

Date Received

Division FOS - WPC

Sub-Basin Maywood

Time Collected 11:10

Collector C Kallis

Date 4-30-84

Mail Report To: Region 2 - WPC

Facility Name: Model Industries

Facility Number:

File Town:

Stream Name(s)

Stream Code:

Fox River

DT

Source of Sample: (Exact Location)

From Septic Tank west of property

Physical Observations, Remarks:

Analysis Requested:

RECEIVED
ILLINOIS DEPARTMENT OF ENVIRONMENTAL PROTECTION

MAY 2 1984

THE POLLUTION CONTROL
AND CHEMICALS SECTION - REG. 2

Flow

Field Dissolved Oxygen

Field PH

Field Temp.

LABORATORY

Organic Scan

(111 Tri-chloroethane)

Found

See attached sheet

Transported by: Kallis

Received by: CC/KB

Transported by:

Received by:

LARS-14(7-79)

FOR LAB USE ONLY

Lab Number: 0033301 Rec'd by: CC/SB

Date sample rec'd: MAY 2 1984

Date analysis completed:

Date results forwarded: 9/24/84

Total Tests requested: Test run:

Lab Section: 510A Supervisor: D. Kallis

REFERENCE NUMBER 03

COMPOUND	CONCENTRATION $\mu\text{g}/\text{L}$ (PPB)
Vinyl chloride	ND
Chloroethane	ND
Methylene chloride	2900.
Bromochloromethane	ND
1,1-Dichloroethylene	ND
1,1-Dichloroethane	25.
1,2-Dichloroethylene	2000.
Chloroform	25.
1,2-Dichloroethane	ND
1,1,1-Trichloroethane	3200
Carbon tetrachloride	ND
Bromodichloromethane	34
1,2-Dichloropropane	ND
Trichloroethylene	740,000
Benzene	ND
1-Bromochloromethane	ND
Bromoform	ND
1,1,2,2-Tetrachloroethane	430, ND g/H
Tetrachloroethylene	ND 430.
Toluene	1200
Chlorobenzene	ND
Ethylbenzene	80
Xylenes	250
ND = Not detected	
Detection Limit = $5\mu\text{g}/\text{L}$	

REFERENCE NUMBER 03

<i>ug/l (ppb)</i>			
COMPOUND	CONCENTRATION	COMPOUND	CONCENTRATION
0-Dichlorobenzene	ND	2-Chlorophenol	
Bis (2-chloroethyl) ether	ND	2-Nitrophenol	
Nitrobenzene	ND	Phenol	
Hexachlorobutadiene	ND	2,4-Dimethylphenol	
1,2,4-Trichlorobenzene	ND	2,4-Dichlorophenol	
Isophorone	ND	2,4,6-Trichlorophenol	
Naphthalene	ND	4-Chloro-3-methylphenol	
Methylnaphthalene	1.	2,4-Dinitrophenol	
Dimethylnaphthalene	6	2-Methyl-4,6-dinitrophenol	
Trimethylnaphthalene	19	4-Nitrophenol	
Hexachlorocyclopentadiene	ND		
Acenaphthylene	ND		
Dibenzofuran	ND		
Acenaphthene	ND		
Fluorene	ND		
2,4-Dinitrotoluene	ND		
Phenanthrene	10.		
Anthracene			
Fluoranthene	ND		
Pyrene	ND		
Benazidine	ND		
Chrysene	ND		
Benzo (a) anthracene	ND		
3,3'-Dichlorobenzidine	ND		
<i>Aliphatic hydrocarbons</i> 1700.			
<i>Hexamethyl octahydro-</i> 40.			
<i>indene</i>			
<i>Other unidentified</i>			
<i>Compounds detected</i>			
<i>Detection limit = 2 ug/l</i>			

File ID

~~EC-FCS-VVG~~
643-11-140

The Reliance Company

MATERIAL SAFETY DATA SHEET

RECEIVED

AMER 43 PG R1

Date Prepared: 10/02/87

MAY 26 1990

PREPARED-FOR:

PREPARED-BY:

IEPA--DAFC--SPFLD

RELIANCE UNIVERSAL - HANNA

1313 WINDSOR AVENUE

COLUMBUS OH 43211

REFERENCE NUMBER 0413

Emergency Phone Number: (614)294-3361

Information Number: (614)294-33

SECTION I - PRODUCT INFORMATION

Tradename: NA

Product No. EXP0818

Product - Class: BROWN HIGH SOLIDS WRINKLE FINISH

5% of 100%

SECTION II - HAZARDOUS INGREDIENTS

Hazardous Ingredients	CAS No.	Occupational Exposure Limits			Vapor Pressure
		TLV	PEL	UNITS	
2-PENTANONE	00107879	200.	200.	ppm	27.6
XYLENE	01330207	100.	100.	ppm	5.1
(XYLOL)					
(MIXED DIMETHYL BENZENES)					
AROMATIC HYDROCARBON	64742956	50.	NA	ppm	10.0
2-HEPTANONE	00110430	50.	100.	ppm	2.1
(MAK)					
TOLUENE	00108883	100.	200.	ppm	22.0
TOLUOL					
(METHYL BENZENE)					
TITANIUM DIOXIDE	13463677	10.	15.	mg/M3	NA
IRON OXIDE	01309371	10.	15.	mg/M3	NA
IRON OXIDE HYDRATE	51274001	10.	15.	mg/M3	NA
SILICON DIOXIDE	14808607	10.	10	mg/M3	NA
TALC	14807966	20.	NA	mg/M3	NA
BUTANOL	00071363	50.	100.	ppm*	5.
(BUTYL ALCOHOL)					

* - TOXIC EFFECTS CAN OCCUR BY SKIN ABSORPTION.

SECTION III - PHYSICAL DATA

Boiling Range: 206 - 380 F Vapor is heavier than Air.

Evaporation rate is slower than ether. % Volatile (vol) 41.92 wt/gal 10.19

Illinois

State Atlas

REFERENCE NUMBER 06



YOUR GUIDE TO:

- Vacationing
- Fishing
- Boating
- Historical Spots
- Points of Interest
- Cities - Towns - Villages
- County Maps
- Lakes and Streams
- Golfing
- Hunting
- Canoeing
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ILLINOIS FISHING WATERS

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